

Abdelrahman Abdallah

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Profile Links: [Github](#), [University](#), [Linkedin](#), and [Portofino](#)

PROFESSIONAL SUMMARY

A machine learning engineer passionate about cutting-edge technology and solving real-world problems, with previous experience in computer vision and natural language processing, leading a lean team, and developing new products.

SKILLS

- Data Science: Machine and Deep Learning, Computer Vision, NLP
 - Programming Language: Python, PHP, Java
 - Package: Tensorflow, Scikit-learn, Pytorch, Keras
 - Web: Laravel, HTML & CSS, JQuery, JavaScript
 - Tools: Pycharm, Anaconda, Jupyter notebook
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EXPERIENCE

11/2019 to Present **Machine Learning Researcher**

National Open Research Laboratory for Information and Space Technologies – Satbayev University, Almaty, Kazakhstan

- built the handwritten Kazakh, Russian database. The database can serve as a basis for research in handwriting recognition.
- tried to describe various approaches and achievements of recent years in the development of handwritten recognition models about Cyrillic graphics.
- built the table detection database. The database can be used for machine learning and deep learning model.
- building a new model to achieve a good result in table detection and classification.

07/2016 to 06/2019 **Research and Teaching Assistant**

Assiut University, Faculty of Computers and Information - Assuit, Egypt

- Represented the team at meetings with executives and discussed project goals and milestones.
- Kept abreast of emerging technologies, software, and trends and applied them to projects.
- Teach classes, work with students in laboratories, grade papers, and projects or work directly for a professor.

06/2019 to 11/2019 **Software Developer**

Ccc at limkokwing university, - Cyberjaya, Malaysia

- Developed and implemented a scanning component using MySQL, PHP.
- Built databases and table structures following n-tier architecture methodology for web applications.
- Designed and developed Using Expression Engine Framework in php.

01/2016 to 08/2017 **Web Developer**

FastKood Company – Cario, Egypt

- Converted mockups into HTML, JavaScript, AJAX and JSON.
- Represented the team at meetings with executives and discussed project goals and milestones.
- Kept abreast of emerging technologies, software, and trends and applied them to projects.
- Hands-on experience using UNIX and Apache web servers.
- Developed data architecture design to enable analysts to perform targeted customer analysis.
- Developed work-flow charts and diagrams to ensure production team compliance with client deadlines.

06/2015 to 01/2016 **Software Developer**

Overcoffeesolutions, Assiut, Egypt - Assuit, Assuit

- Developed object-oriented software.
- Designed intuitive graphical user interfaces using knowledge of serial communications and database design.
- Developed and implemented a scanning component using MySQL.
- Built databases and table structures following n-tier architecture methodology for web applications.
- Designed and developed 8 computer software web applications.

EDUCATION

2019 to Present	Master of Science: Data Science and Machine Learning Faculty of Information and Telecommunication Technologies –Satbayev University
2011 to 2015	Bachelor of Science: Computer Science Faculty of Computer and Information – Assuit University
2016 to 2017	Pre-Master of Science: Computer Science Faculty of Computer and Information – Assuit University

CERTIFICATIONS

- Data Science in Python from Coursera
- Neural Networks and Deep Learning from Coursera
- Deep Neural Networks Hyperparameter tuning, Regularization, and Optimization from Coursera
- Structuring Machine Learning Projects from Coursera
- Convolutional Neural Networks from Coursera
- Sequence Models from Coursera
- Deep Learning Specialization from Coursera
- Mathematics for Machine Learning Specialization from Coursera

PUBLICATIONS

- Attention-Based Fully Gated CNN-BGRU for Russian Handwritten Text. In [J. Imaging](#).
- Automated Question-Answer Medical Model based on Deep Learning Technology. In [ICEMIS'20](#).
- Classification of Handwritten Names of Cities and Handwritten Text Recognition using Various Deep Learning Models. In [ASTES Journal](#).
- HKR For Handwritten Kazakh & Russian Database. In [Arxiv](#). Under publish in Springer Journal.
- Hamada, M. A., & Abdallah, A. (2021). Estimate The Efficiency Of Multiprocessor's Cash Memory Work Algorithms. arXiv preprint arXiv:2102.03848. Under publish in IEEE conference. It will be available online in May 2021
- Hamada, M. A., & Abdallah, A. (2021). Neural Network estimation model to optimize timing and schedule of Software Projects. Under publish in IEEE conference. It will be available online in May 2021.

LANGUAGE

- Arabic: Native
- English: Fluent